

## **LIST OF PREPARERS**

This section lists the individuals who contributed to the technical content of this supplemental environmental impact statement (SEIS). The preparation of the SEIS was directed by A. R. Grainger and L. T. Ling of the U. S. Department of Energy (DOE) and B. H. Bradford of Tetra Tech NUS, Inc.

Some of the individuals listed below prepared specific sections in accordance with their technical qualifications. Other technical experts provided input to those sections through in-depth review and data verification. Still others provided overall technical or management reviews for their respective organizations.

<b>NAME:</b>	<b>BRUCE H. BRADFORD, P.E.</b>
<b>AFFILIATION:</b>	Tetra Tech NUS, Inc.
<b>EDUCATION:</b>	Ph.D., Civil Engineering, 1974 M.S., Civil Engineering, 1966 B.S., Civil Engineering, 1965
<b>TECHNICAL EXPERIENCE:</b>	Fifteen years of preparing NEPA documents; 31 years of experience in civil engineering, specializing in hydrology, hydraulics, and water resources.
<b>SEIS RESPONSIBILITY:</b>	Project Manager; prepared Comparison of Impacts Among Alternatives in Chapter 2.

<b>NAME:</b>	<b>STEVE CONNOR</b>
<b>AFFILIATION:</b>	Tetra Tech NUS, Inc.
<b>EDUCATION:</b>	M.S., Physics, 1974 B.S., Physics, 1973
<b>TECHNICAL EXPERIENCE:</b>	Twenty-three years of experience in environmental management systems, radiological effluent monitoring, analytical laboratory quality assurance, gamma spectrometry, radiological transportation risk assessments, environmental transport, dose assessments, human health risk assessments, and NEPA document preparation.
<b>SEIS RESPONSIBILITY:</b>	Line Manager.

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**NAME:** **WILLIAM J. CRAIG**

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**EDUCATION:** M.S., Planning, 1977  
B.S., Forestry, 1972

**TECHNICAL EXPERIENCE:** Twenty years of experience in utility fuel planning and nuclear power plant siting.

**SEIS RESPONSIBILITY:** Prepared Socioeconomics and Land Use sections of Chapters 3 and 4.

**NAME:** **KENT T. CUBBAGE**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.S., Ecotoxicology, 1993  
B.S., Biology, 1991

**TECHNICAL EXPERIENCE:** Five years of experience as an ecotoxicologist.

**SEIS RESPONSIBILITY:** Prepared Long-Term Ecological Resources sections of Chapter 4 and Appendix D.

**NAME:** **ERNESTO R. FAILLACE, CHP**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** EngD., Nuclear Engineering, 1988  
M.S./B.S., Nuclear Engineering, 1984

**TECHNICAL EXPERIENCE:** Two years of experience performing analyses for NEPA documents; 13 years of experience in nuclear engineering and health physics performing nuclear safety analysis, radiological dose assessments, human health risk assessments, and environmental transport and training.

**SEIS RESPONSIBILITY:** Contributed to chapters 1, 2 and 4, Appendix D, and Glossary.

**NAME:** **D. SCOTT FLICKINGER**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.E.M., Natural Resource Economics and Policy, 1988  
B.A., Biology and Political Science, 1985

**TECHNICAL EXPERIENCE:** Three years of preparing NEPA documents; 13 years of experience in hazardous waste management and remediation, specializing in natural attenuation, permitting, and closure documentation.

**SEIS RESPONSIBILITY:** Reviewer for Chapters 3 and 4 Waste Management elements and Chapter 7. Coordinator of Comment Resolution on Preliminary SEIS.

<b>NAME:</b>	<b>PHILIP C. FULMER, CHP</b>
<b>AFFILIATION:</b>	Tetra Tech NUS, Inc.
<b>EDUCATION:</b>	Ph.D., Nuclear Engineering, 1993 M.S., Health Physics, 1990 B.S., Health Physics, 1989
<b>TECHNICAL EXPERIENCE:</b>	Ten years of experience in radiation protection, internal radiation dosimetry, and external radiation dosimetry.
<b>SEIS RESPONSIBILITY:</b>	Lead analyst for Long-Term Performance Evaluation sections of Chapter 4 and Appendix D.
<b>NAME:</b>	<b>NEIL J. GILBERT, P.E., P.G.</b>
<b>AFFILIATION:</b>	Zapata Engineering, P.A.
<b>EDUCATION:</b>	M.S., Geotechnical Engineering, 1972 M.A., Geology, 1969 A.B., Geology, 1967
<b>TECHNICAL EXPERIENCE:</b>	Twenty-seven years of experience in geologic mapping and development of tectonic histories for permitting of nuclear facilities, geotechnical engineering for structures and dams, and hydrogeology for evaluation, permitting, and design of waste facilities.
<b>SEIS RESPONSIBILITY:</b>	Prepared Geology and Groundwater sections of Chapters 3 and 4.
<b>NAME:</b>	<b>ANDREW R. GRAINGER</b>
<b>AFFILIATION:</b>	U. S. Department of Energy
<b>EDUCATION:</b>	M.S., Wildlife Ecology, 1978 B.S., Natural Resources, 1975
<b>TECHNICAL EXPERIENCE:</b>	Twelve years of preparing NEPA documents; 18 years of experience in terrestrial ecology, facility siting, wetlands ecology, and endangered species management.
<b>SEIS RESPONSIBILITY:</b>	NEPA Compliance Officer; NEPA Specialist for the SEIS; DOE-SR reviewer for Draft SEIS; prepared Summary, Chapters 1 and 2, and Appendix C.

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**NAME:** **GARY L. GUNTER**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Geology, 1984

**TECHNICAL EXPERIENCE:** Ten years of experience in geology and hydrogeology projects, specializing in groundwater assessment and remediation.

**SEIS RESPONSIBILITY:** Reviewed Geologic Resources and Groundwater sections of Chapters 3 and Short-Term Geologic and Groundwater Resources sections of Chapter 4; prepared Long-Term Geologic Resources sections of Chapter 4 and Appendix D.

**NAME:** **KATHRYN B. HAUER**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.A., English, 1985  
B.A., English, 1983

**TECHNICAL EXPERIENCE:** Eleven years of experience in technical writing, editing, and teaching in both government and business disciplines.

**SEIS RESPONSIBILITY:** Technical Editor.

**NAME:** **BRIAN A. HILL**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Health Physics/Industrial Hygiene, 1988

**TECHNICAL EXPERIENCE:** Three years of preparing NEPA documents; 12 years of experience in the areas of health physics, industrial hygiene, occupational safety, emergency preparedness, and waste management.

**SEIS RESPONSIBILITY:** Prepared Environmental Justice sections of Chapters 3 and 4.

**NAME:** **ALLAN JENKINS**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Geology, 1975  
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**TECHNICAL EXPERIENCE:** Seventeen years of experience in engineering geology, hydrogeology, environmental investigations, and remediation of petroleum-contaminated soil and groundwater.

**SEIS RESPONSIBILITY:** Prepared Long-Term Groundwater Resources section of Chapter 4; contributed to Appendix D.

**NAME:** **LARRY T. LING**

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**EDUCATION:** B.S., Chemical Engineering, 1982

**TECHNICAL EXPERIENCE:** Three years of preparing or reviewing NEPA documents; over 17 years of experience in nuclear facilities and systems.

**SEIS RESPONSIBILITY:** Document Manager; DOE reviewer of Draft SEIS.

**NAME:** **ANNE C. LOVELL, P.E., CHMM**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Chemical Engineering, 1985

**TECHNICAL EXPERIENCE:** Seventeen years of experience in chemical/environmental engineering in DOE and commercial nuclear projects, systems engineering, risk assessment, waste management, and regulatory compliance. Three years of experience in preparing NEPA documents.

**SEIS RESPONSIBILITY:** Primary author of Chapter 4 and Appendix B; contributor to Chapters 1, 2, 3, 5, and 6.

**NAME:** **LISA A. MATIS**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.S., Mechanical Engineering, 1989  
B.S., Chemical Engineering, 1984

**TECHNICAL EXPERIENCE:** Fourteen years of experience in chemical-environmental engineering.

**SEIS RESPONSIBILITY:** Prepared Waste and Materials sections of Chapters 3 and 4; prepared Chapter 7.

**NAME:** **JAMES W. MCCULLOUGH, JR., P.E.**

**AFFILIATION:** U. S. Department of Energy

**EDUCATION:** B.S., Civil Engineering, 1975

**TECHNICAL EXPERIENCE:** Twenty-six years of experience in engineering design and program management for nuclear systems and facilities.

**SEIS RESPONSIBILITY:** DOE reviewer of Draft SEIS; contributed to Chapter 2.

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**NAME:** **WILLIAM R. McDONELL**

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**EDUCATION:** Ph.D., Nuclear Chemistry, University of California (Berkeley), 1951  
M.S., Chemistry, University of Michigan, 1948  
B.S., Chemistry, University of Michigan, 1947

**TECHNICAL EXPERIENCE:** Forty-nine years of experience in nuclear and radiation technologies, including development of strategies for disposal of nuclear wastes.

**SEIS RESPONSIBILITY:** Data Manager; prepared Appendix A.

  

**NAME:** **PHILIP R. MOORE**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.S., Wildlife and Fisheries Biology, 1983  
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**TECHNICAL EXPERIENCE:** Seventeen years of experience as fishery biologist and aquatic ecologist.

**SEIS RESPONSIBILITY:** Prepared Surface Water and Ecological sections of Chapters 3 and 4.

  

**NAME:** **APARAJITA S. MORRISON**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Health Physics, 1985

**TECHNICAL EXPERIENCE:** Eleven years of experience in environmental and occupational radiological programs, including management of an environmental monitoring laboratory, startup testing of nuclear instrumentation, training, and technical assessments of environmental and radiation protection programs.

**SEIS RESPONSIBILITY:** Prepared Human Health and Safety sections of Chapters 3 and 4; prepared Chapter 5.

  

**NAME:** **JAMES L. OLIVER**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** B.S., Biology (Fisheries), Murray State University, 1971

**TECHNICAL EXPERIENCE:** Twenty-three years of experience in research and impact assessment projects for the U.S. Department of Interior and DOE, review of environmental and natural resource management issues, and strategic planning for NEPA documentation for DOE.

**SEIS RESPONSIBILITY:** Management Reviewer. Prepared Chapter 6.

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<b>NAME:</b>	<b>RICHARD F. ORTHEN, CHMM</b>
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<b>EDUCATION:</b>	B.S., Chemistry, 1979
<b>TECHNICAL EXPERIENCE:</b>	Six years of preparing NEPA documents; 20 years of experience in occupational and environmental protection management, specializing in health physics, hazardous materials, and worker/public health and safety.
<b>SEIS RESPONSIBILITY:</b>	Prepared Chapters 3 and 4 sections on Energy and Utilities and Traffic and Transportation; reviewed Cumulative Impacts section of Chapter 5.
<b>NAME:</b>	<b>KAREN K. PATTERSON</b>
<b>AFFILIATION:</b>	Tetra Tech NUS, Inc.
<b>EDUCATION:</b>	M.A., Biology, 1977 B.A., Biology, 1973
<b>TECHNICAL EXPERIENCE:</b>	Twenty years of technical and environmental science experience; 10 years of technical editing; 5 years of preparing NEPA documents.
<b>SEIS RESPONSIBILITY:</b>	Document Manager; technically edited the SEIS as Lead Editor.
<b>NAME:</b>	<b>JOHN M. REYNOLDS</b>
<b>AFFILIATION:</b>	U. S. Department of Energy
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<b>TECHNICAL EXPERIENCE:</b>	Nine years of preparing or reviewing NEPA documents; over 25 years of experience in nuclear facilities and systems.
<b>SEIS RESPONSIBILITY:</b>	DOE reviewer of Draft SEIS.
<b>NAME:</b>	<b>JOSEPH W. RIVERS</b>
<b>AFFILIATION:</b>	Jason Associates Corporation
<b>EDUCATION:</b>	B.S., Mechanical Engineering, 1982
<b>TECHNICAL EXPERIENCE:</b>	Three years of experience in preparing NEPA documents; 16 years in commercial and DOE nuclear projects; design, systems engineering, safety and accident analysis, and regulatory compliance.
<b>SEIS RESPONSIBILITY:</b>	Lead author of Accident Analysis section of Chapter 4; co-author of Appendix B.

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**EDUCATION:** M.E., Nuclear Engineering, 1994  
B.S., Nuclear Engineering Sciences, 1990

**TECHNICAL EXPERIENCE:** Six years of experience in air permitting, fate and transport modeling, human health impacts, environmental compliance, and health physics.

**SEIS RESPONSIBILITY:** Prepared Air Resources sections of Chapters 3 and 4; contributed to Appendix D.

**NAME:** **JAMES A. STAPEL**

**AFFILIATION:** Tetra Tech NUS, Inc.

**EDUCATION:** M.S., Geography, 1999 (proposed)  
B.S., Geography, 1995

**TECHNICAL EXPERIENCE:** Two years of experience in management and applications of geographic information systems (GIS).

**SEIS RESPONSIBILITY:** Co-author of Land Use and Socioeconomics sections in Chapters 3 and 4; graphics/cartographic support.

**NAME:** **ALAN L. TOBLIN**

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**EDUCATION:** M.S., Chemical Engineering, University of Maryland, 1970  
B.E., Chemical Engineering, The Cooper Union, 1968

**TECHNICAL EXPERIENCE:** Twenty-three years of experience in analyzing radiological and chemical contaminant transport in water resources.

**SEIS RESPONSIBILITY:** Lead modeler for Appendix D.

**NAME:** **JAMES S. WILLISON, P.E., CHP**

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**EDUCATION:** M.S., Nuclear Engineering, 1982  
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**TECHNICAL EXPERIENCE:** Three years of preparing NEPA documents; 14 years of accident analyses at nuclear facilities; health physics and radiological engineering.

**SEIS RESPONSIBILITY:** Reviewed Accident Analyses, Transportation, Air Resources, and Human Health Effects Sections of Chapter 4 and Appendix B.



<b>NAME:</b>	<b>PHILIP L. YOUNG, CHP</b>
<b>AFFILIATION:</b>	Tetra Tech NUS, Inc.
<b>EDUCATION:</b>	M.S., Health Physics, 1989 B.S., Radiation Health (Health Physics), 1988
<b>TECHNICAL EXPERIENCE:</b>	Ten years of experience in environmental health physics and environmental impact assessment, with emphasis on radiological effluent monitoring, environmental surveillance, environmental dosimetry, radiological risk assessment, and radioactive waste management.
<b>SEIS RESPONSIBILITY:</b>	Technical reviewer; contributed to Chapters 1 and 5 and Appendix D.
<b>NAME:</b>	<b>JEFFREY L. ZIMMERLY</b>
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<b>EDUCATION:</b>	M.S., Environmental Engineering, anticipated 2001 B.S., Health Physics, 1996
<b>TECHNICAL EXPERIENCE:</b>	One year of experience in environmental health physics. One year of experience preparing NEPA documents, ecological and human health risk assessments, and accident analysis.
<b>SEIS RESPONSIBILITY:</b>	Contributing author to Appendix B.